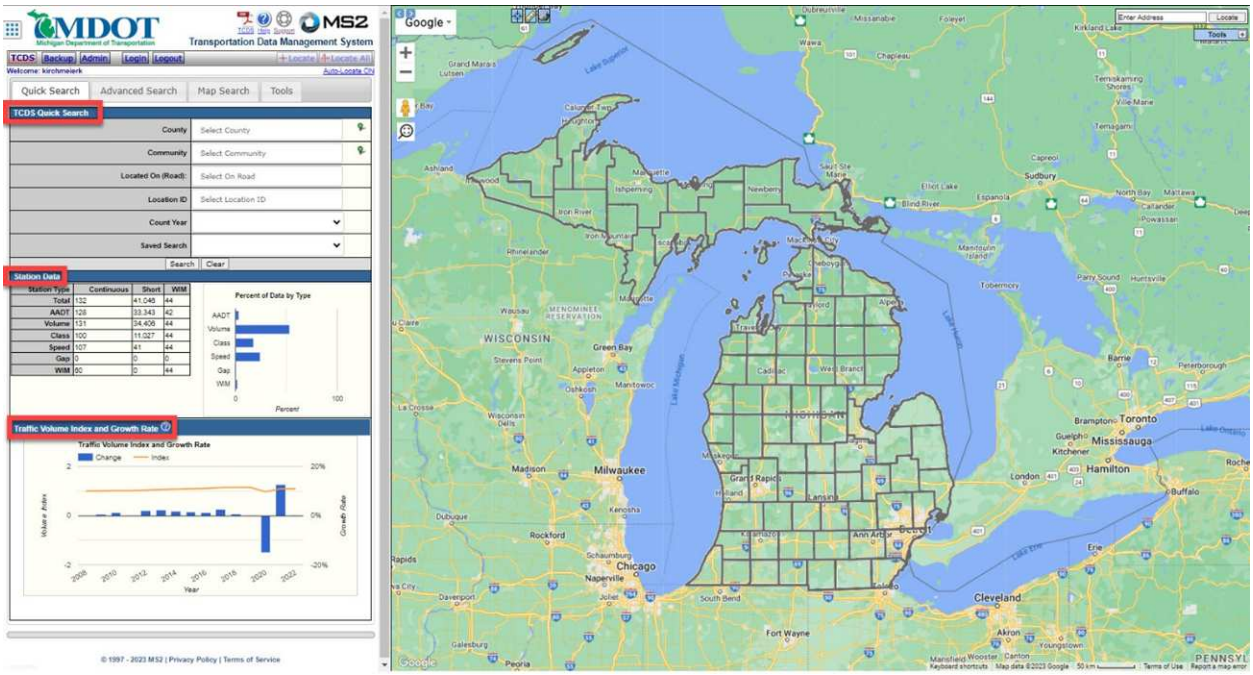
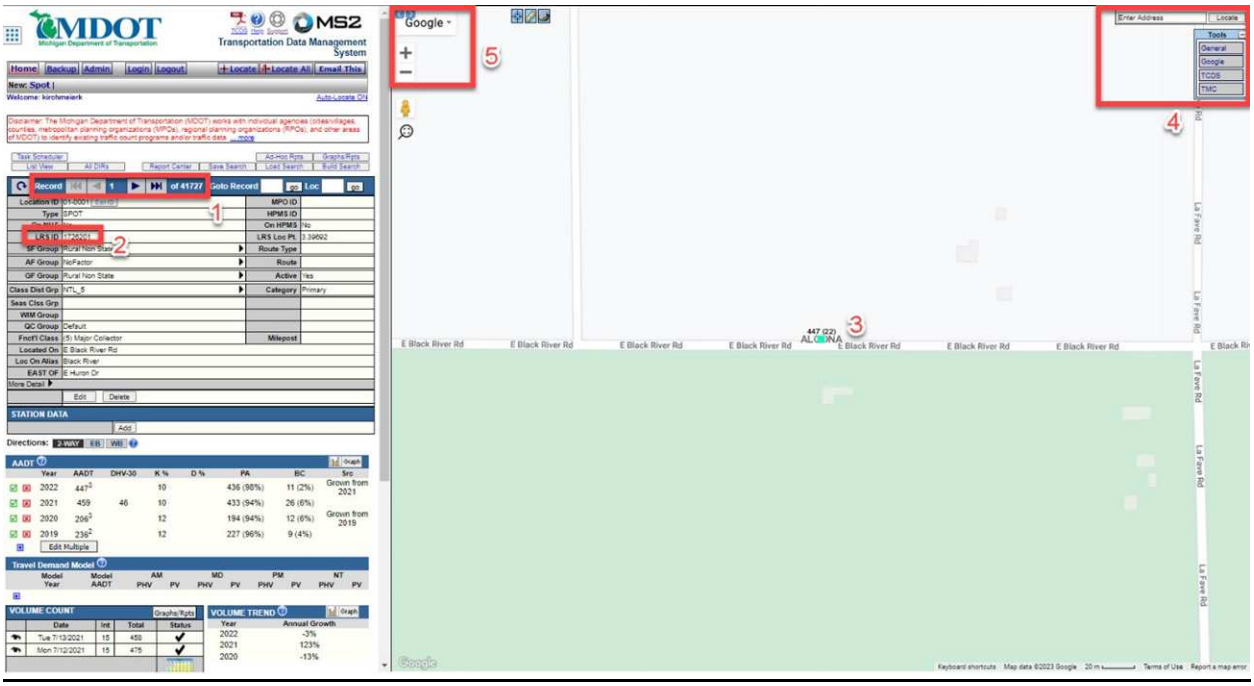
Basics of Navigating MDOT's Transportation Data Management System (TDMS) Website

When first opening the TDMS website, the page is divided into two sections: a Search, Station Data and Traffic Volume Index section on the left side of the page and a map section on the right. The Search, Station Data and Traffic Volume Index section of the Home page contains the Quick Search tab, which is one of the primary ways to search for traffic data.



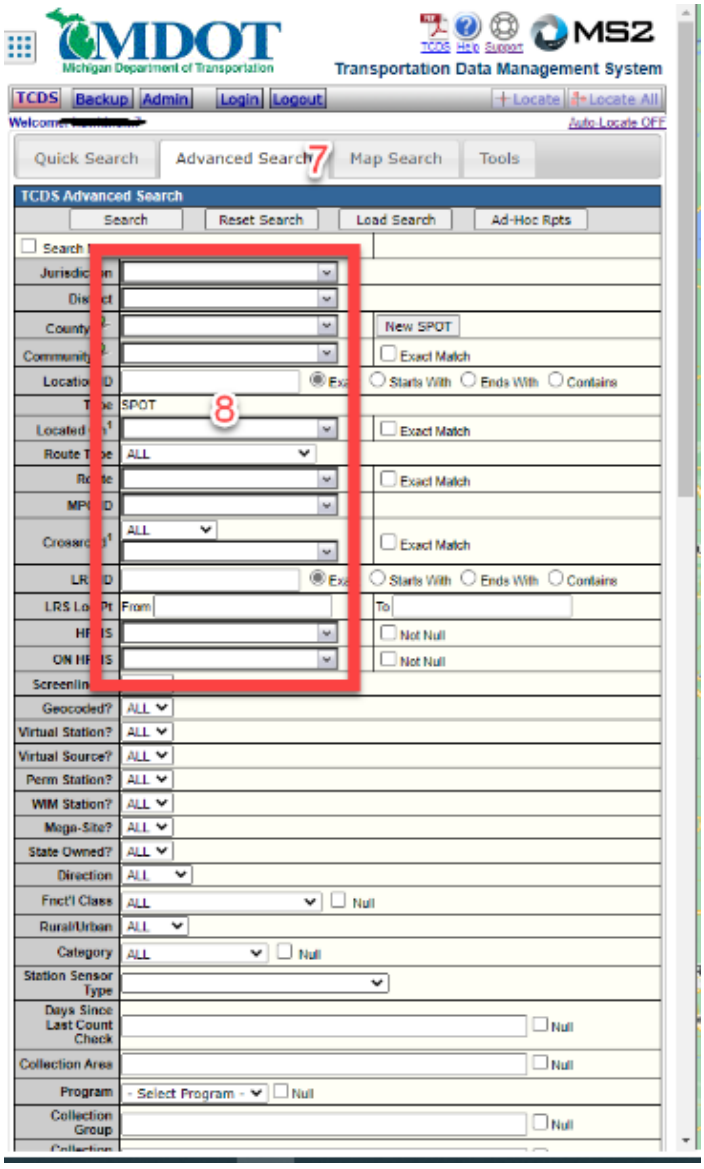
Quick Search – Allows users to identify traffic count stations by searching according to a select set of common search criteria. Input the desired information by which to search, with the simplest option(s) being to search by County, Community and/or Located On.

1. After using Quick Search, a new page will load showing a list of stations with a breakdown of traffic data on the left side of the page (use the arrows next to the Record number to page through the different stations if multiple records were returned). If a search does not return any stations, pressing the green Home button at the top left of the page will go back to the Quick Search tab.
2. ***IMPORTANT*** When looking at station data, make note that in this system, that LRS (Linear Reference System) numbers are used instead of the PR (Physical Road/Reference) numbers.
3. The map on the right-hand side of the webpage visualizes the location of traffic count stations which contain the traffic data.
4. In the upper right-hand corner of the map is the Enter Address bar and an expandable Tools bar. Click anywhere on the Tools bar and a dropdown menu will appear with tool options: General, Google and TCDS. These options have their own drop-down menus once clicked on.
5. In the upper left-hand corner of the map is a drop-down menu that has different styles of base maps available for use and the Zoom In and Zoom Out buttons (plus and minus).
6. The map can be easily navigated by clicking and holding the left mouse button and dragging the mouse to pan across the map.



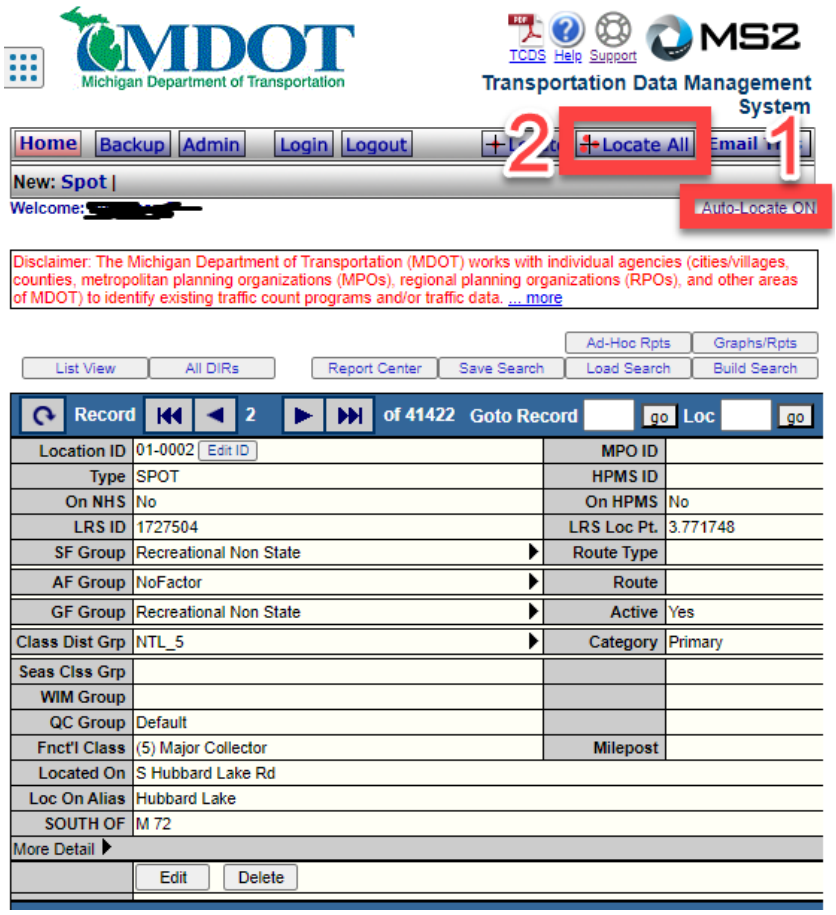
Advanced Search – Allows users to search for traffic count stations using the full set of available search criteria

7. Click on the “Advanced Search” tab which is located to the right of the Quick Search tab.
8. Enter search parameters such as county, permanent station, state owned, etc. and click “Enter”.
9. A record for each station within the selected parameter(s) will display and a map of the first record will appear (if Auto-Locate is on).



To see the Count Station on the Map - Auto Locate & Locate All (Turn on Locations) - These two features automatically locate the position of a desired station(s).

1. **Auto Locate**, which can be found just above and to the right of the Tools tab on the left-hand side of the web page, can be toggled on or off by clicking it. This feature automatically takes the user to the desired station on the map after the station information is entered.
2. **Locate All**, which can be found directly above the Map Search tab on the left-hand side of the webpage, is useful to locate multiple stations and have their locations be visualized via the map. After inputting the desired stations' information, search for the stations and the Locate All feature will become available to click.

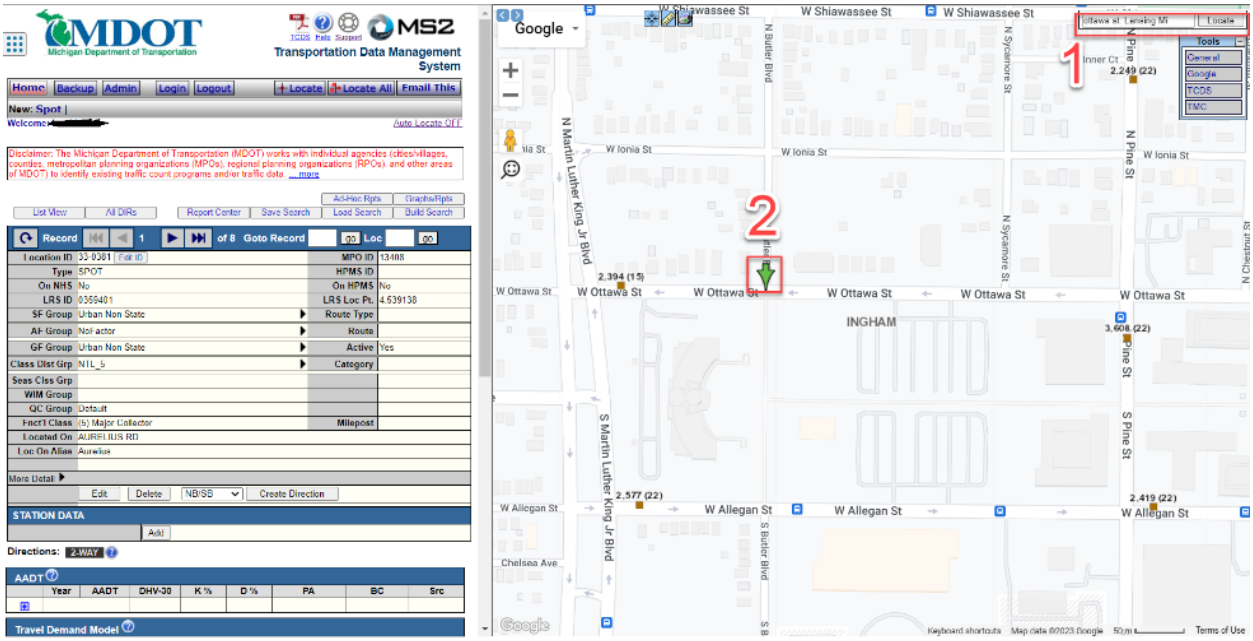


Search Options that Utilize the Map

Search by Address

This allows you to search for a location using a specific address. To do this:

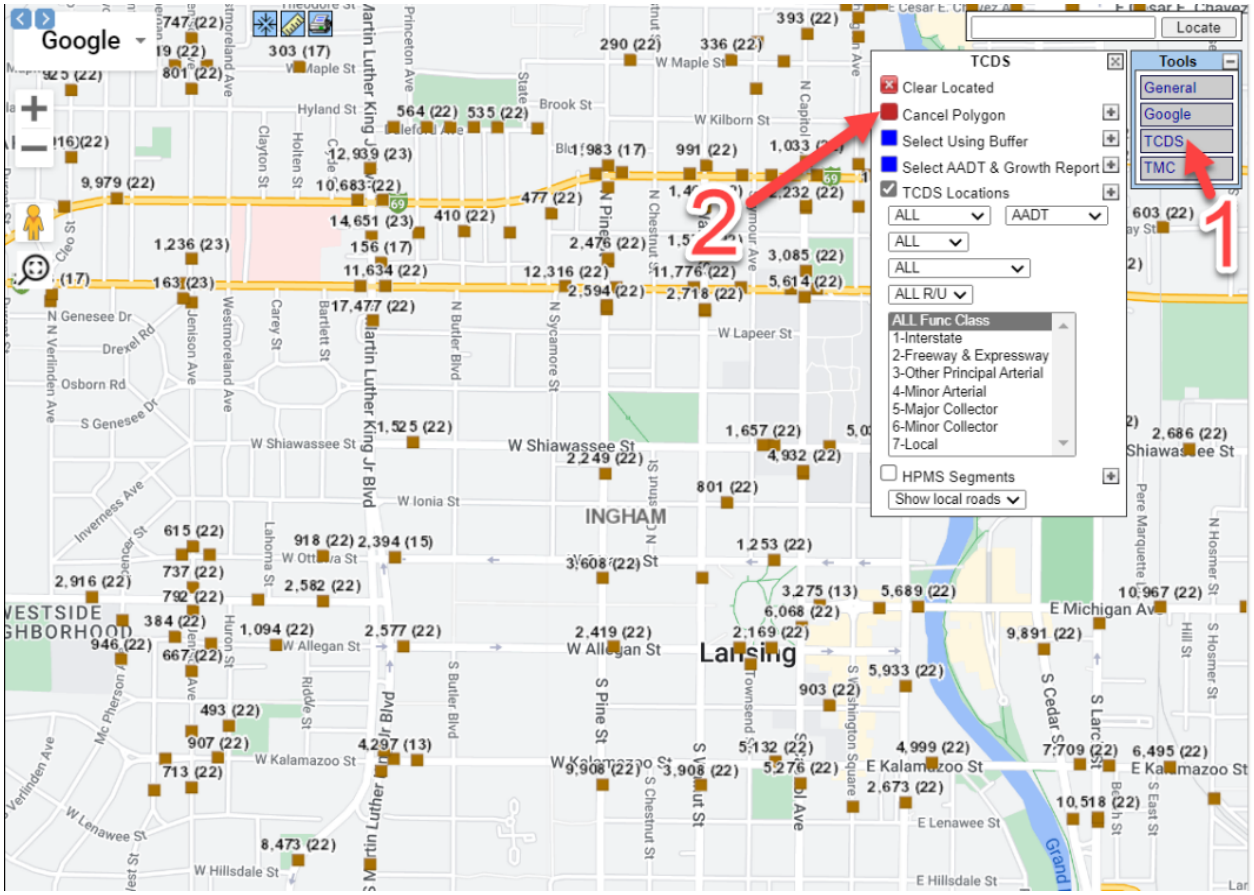
1. Enter the address of the location in the Enter Address bar you wish to go to and click “Locate”.
2. The map will take you to the specified address.
3. Alternatively, the name of a building or specific name of a location can be entered into the search bar as well.



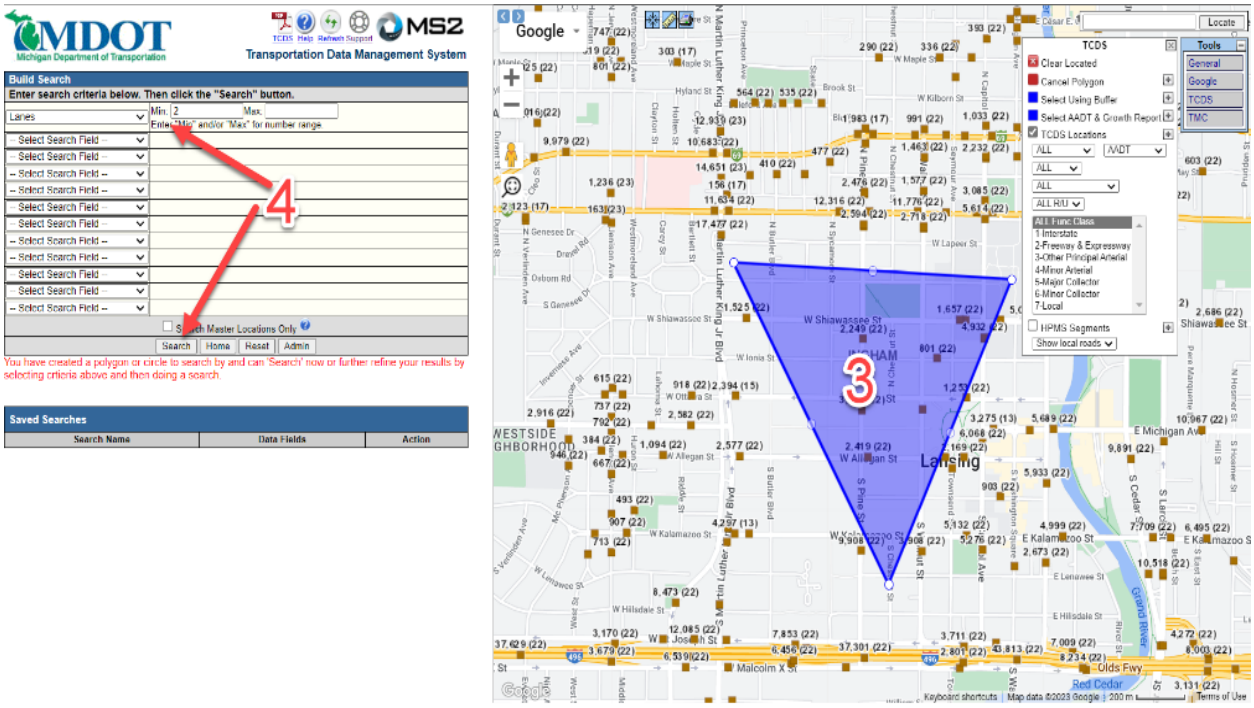
Search by Polygon

This allows you to select an area on the map to filter count stations. To do this:

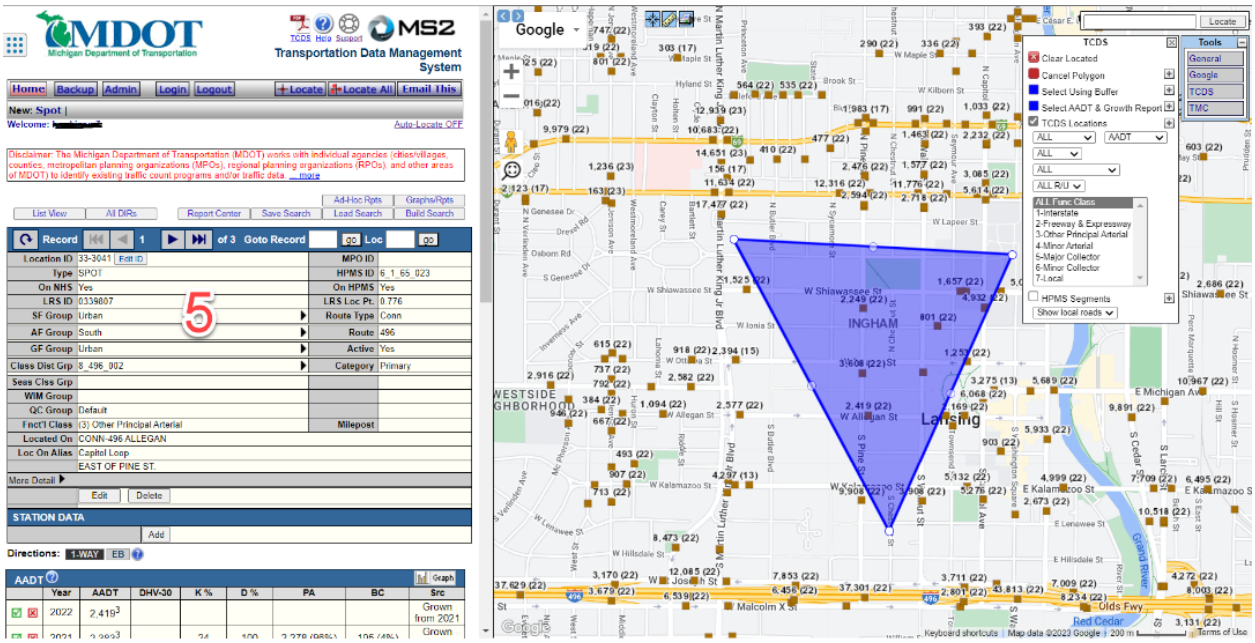
1. Click on the “TCDS” Tools option and another menu will appear to the left of the Tools bar
2. Click the “Search by Polygon” option (if more explanation on how to draw with the Polygon tool is required, click the gray + icon next to “Search by Polygon” and a popup will appear giving a detailed explanation)



3. Navigate to the desired area in which to search, if not already there (map panning still functions even if “Search by Polygon” is active) and draw the polygon
4. Enter the desired search criteria into the “Search Fields” and click “Search” (OPTIONAL)



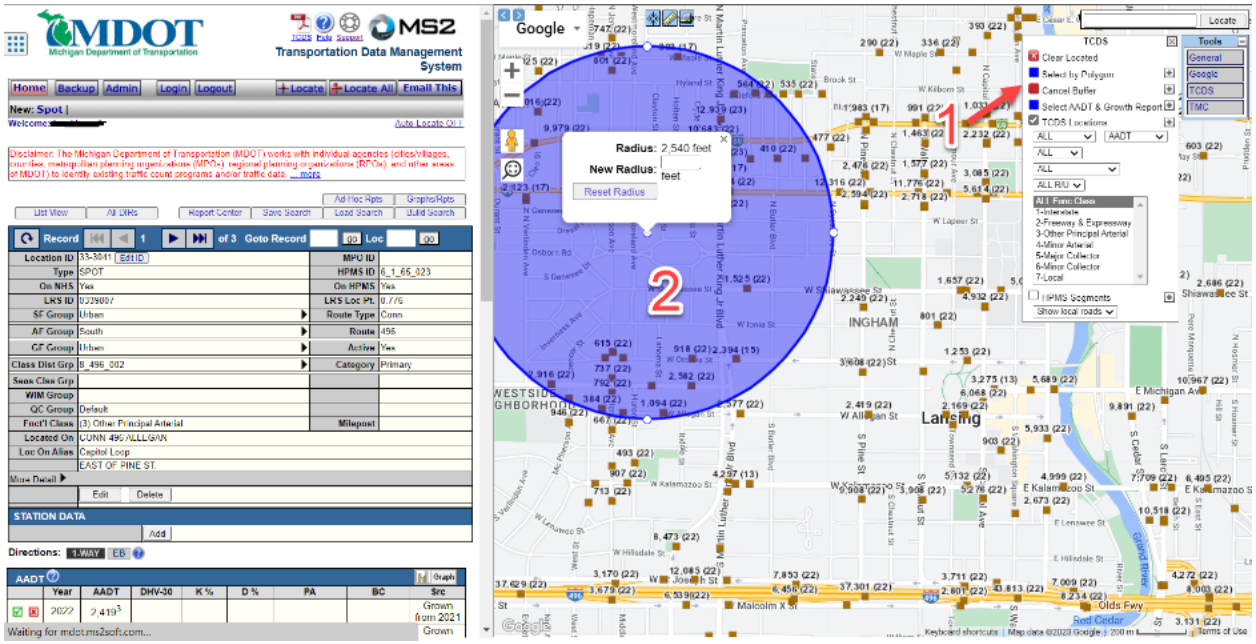
5. A list of stations falling into the desired Polygon area (and search criteria if used) will be returned



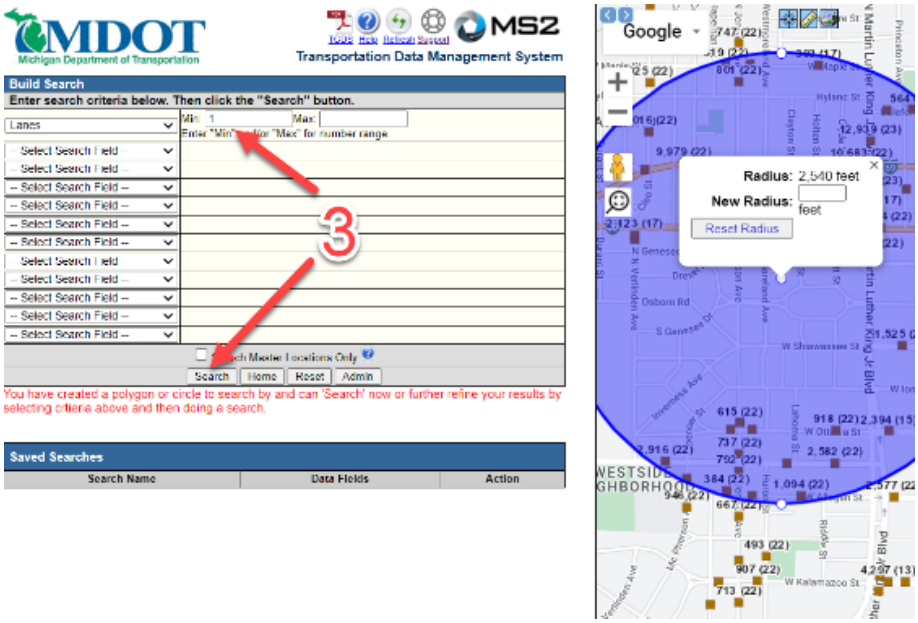
Search by Buffer

This feature filters count stations similar to the polygon, but you select one point to make the area instead of drawing a shape with several points placed. To do this:

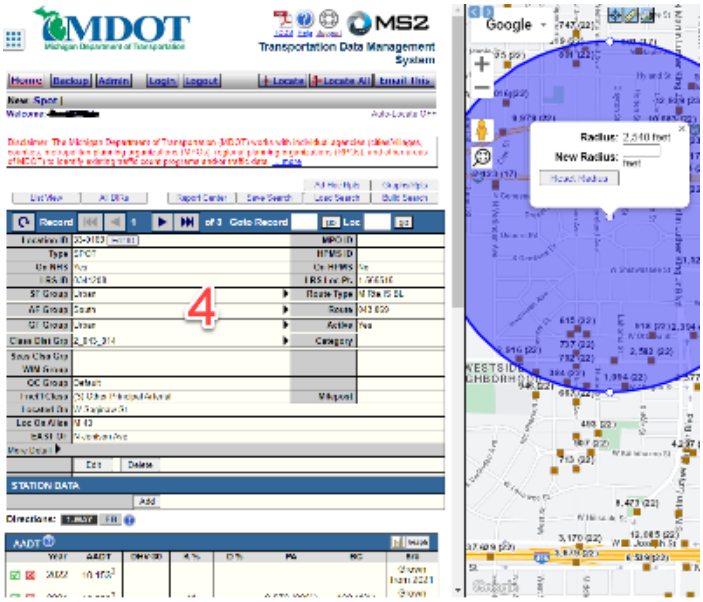
1. Click on the “TCDS” option and another menu will appear to the left of the Tools bar
2. Click the “Search by Using Buffer” option (if more explanation on how to draw with the Buffer tool is required, click the gray + icon next to “Search by Using Buffer” and a popup will appear giving a detailed explanation) and draw the buffer



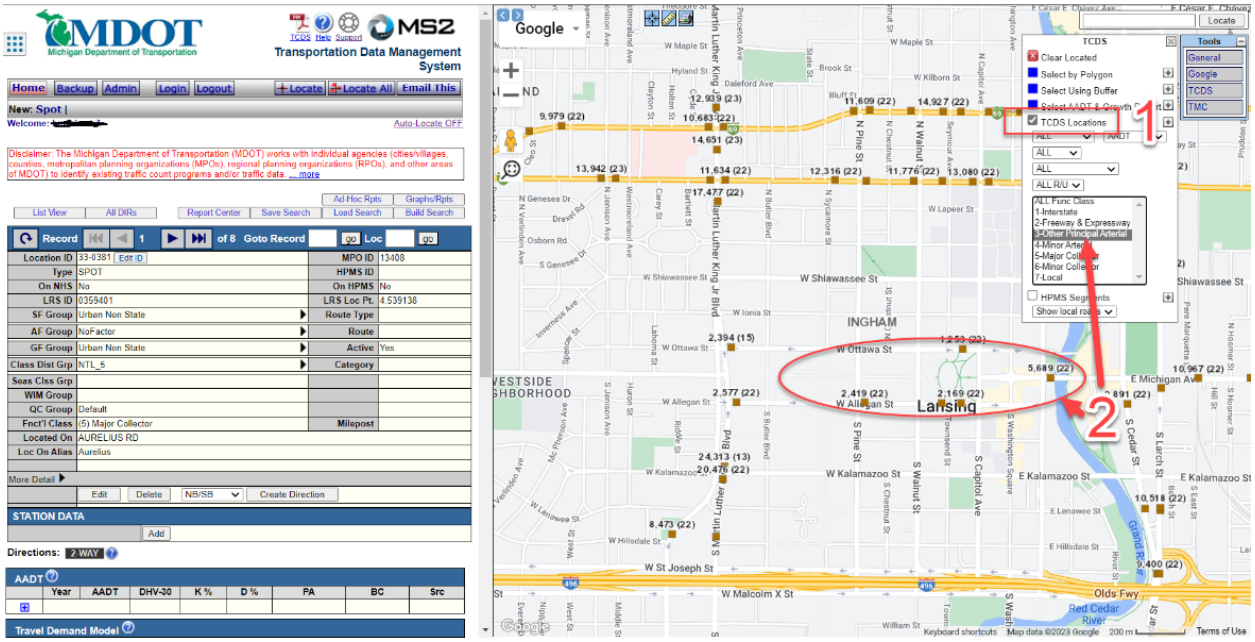
3. Enter the desired search criteria into the “Search Fields” and click “Search” (OPTIONAL)



4. A list of stations falling into the desired Buffer area (and search criteria if used) will be returned



Turn on TCDS Locations

This filters stations based on options selected in the TCDS tools box. To do this:

1. Click on the “TCDS” option and another menu will appear to the left of the Tools bar.
2. Click the checkbox next to “TCDS Locations” and filter the locations shown via the options in the boxes underneath if necessary.